

38. A method for the analysis of biological liquids using the disposable unit according to claim 19, comprising:

placing the sample liquid in contact with the sample loading zone of the disposable unit in such a manner that it is sucked into the dosage capillary by capillary forces when the dosage element is located in its first position,

moving the dosage element to its second position,

exerting pressure on the liquid diluent contained in the diluent chamber in such a manner that it flows into the measuring chamber via the dosage capillary, whereby the sample liquid is flushed out of the dosage capillary into the measuring chamber, and

measuring and analyzing a physical property of the liquid which is thereafter contained in the measuring chamber to derive a test result.

39. The method according to claim 38, wherein measuring the physical property comprises microscopic analysis of the liquid contained in the measuring chamber.

40. The method according to claim 39, wherein the microscopic analysis is performed by means of an electronic camera, and the image from the electronic camera is electronically analyzed with respect to the number and morphology of cells contained in the measuring chamber.

In the Abstract

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A single use disposable unit for the analysis of biological liquids, in particular cell suspensions such as blood, urine, or sperm. The disposable unit includes a diluent chamber, a sample dosage device and a measuring chamber. The sample dosage device has a dosage element into which a dosage capillary is integrated. The dosage element is situated movably in a dosage element chamber in such a manner that one opening of the dosage capillary is